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Canon

DIGITAL SLR CAMERA

EOS 20D DIGITAL

Balance, Poise, Precision.

- 8.2 Megapixel CMOS sensor
- 5 frames per second continuous shooting
- Large buffer – Max. burst of 23 JPEG images
- High precision 9-point wide-area AF
- Second generation DIGIC II processor delivers unrivalled speed and quality
- E-TTL II distance-linked precision flash system
- USB 2.0 Hi-Speed and Video Out connections
- Robust magnesium alloy body
- Complete compatibility with all Canon EF and EF-S lenses, and EX Speedlite flashes
- Digital Photo Professional RAW file processing software
- Print direct without a PC to PictBridge compatible photo printers

UEFA CHAMPIONS LEAGUE

OFFICIAL SUPPLIER

Specifications **EOS 20D**

IMAGE SENSOR	
Type	22.5 x 15.0mm CMOS
Effective Pixels	Approx. 8.2M
Total Pixels	Approx. 8.5M
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed
Colour Filter Type	Primary Colour
IMAGE PROCESSOR	
Type	DIGIC II
LENS	
Lens Mount	EF/EF-S
Focal Length	1.6x Multiplication with EF lens fitted
FOCUSING	
Type	TTL-CT-SIR with a CMOS sensor
AF System/Points	9-point AF
AF Working Range	EV -0.5 – 18 (at 20°C & ISO100)
AF Modes	AI Focus, One Shot, AI Servo
AF Point Selection	Automatic selection, Manual selection
Selected AF Point Display	Superimposed in viewfinder and indicated on top LCD panel
Predictive AF	YES
AF Lock	Locked when shutter button is pressed half-way in One Shot AF mode
AF Assist Beam	Intermittent firing of built-in flash
Manual Focus	Selected on lens
EXPOSURE CONTROL	
Metering Modes	TTL full aperture metering with 35-zone SPC **1** 35 Point Evaluative (linked to all AF points) **2** Partial metering at center (approx. 9% of viewfinder) **3** Centre weighted
Metering Range	EV 1 – 20 (at 20°C with 50mm f/1.4 lens ISO100)
AE Lock	Auto: Operates in 1-shot AF mode with evaluative metering when focus is achieved Manual: Works independently at all times, Works in creative zone modes
Exposure Compensation	+/- 2 EV, 1/2 or 1/3-stop increments
AEB	+/- 2 EV, 1/2 or 1/3-stop increments
ISO Speed Equivalent	AUTO(100,200,400), 100, 200, 400, 800, 1600, Expanded to 3200
SHUTTER	
Type	Electronically-controlled focal-plane shutter
Speed	30 – 1/8000 sec, Bulb
Shutter Release	Soft touch electromagnetic release
WHITE BALANCE	
Type	Auto white balance with the imaging sensor
Settings	AWB, Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash, Custom, Colour Temperature Setting
WB Bracketing	+/-3 stops in full stop increments, 3 bracketed images per shutter release, Selectable Blue/Amber bias or Magenta/Green bias
COLOUR MATRIX	
Type	Two types of colour space: sRGB and Adobe RGB
VIEWFINDER	
Viewfinder	Pentaprism
Coverage (Vertical/Horizontal)	Approx. 95%
Magnification	0.9x[1]
Eyepoint	20mm
Dioptre Correction	-3 to +1 dpt
Focusing Screen	Fixed
Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60)

VIEWFINDER (CONT.)	
Viewfinder Info	AF Points, AE/FE lock, AEB, Shutter speed, Aperture, Exposure Level/Compensation, Max. Burst, AF/MF Focus Confirmation, CF Warning
Depth-of-field Preview	YES
LCD MONITOR	
Monitor	1.8" TFT, approx. 118,000 pixel
Coverage	Approx. 100% (for JPEG images)
Brightness	Adjustable to one of five levels
FLASH	
Modes	Auto, Manual Flash On/Off, Red-Eye Reduction
HotShoe/PC terminal	YES/YES
X-sync	1/250 sec
Red-eye Reduction	YES
Flash Exposure Compensation	+/- 2EV in 1/2 or 1/3 increments
Flash Exposure Bracketing	YES
Flash Exposure Lock	YES
Second Curtain Synchronisation	YES
Built-in Flash Range	Coverage up to 17mm focal length (27mm equivalent)
Guide Number (ISO 100, meters)	13
External Flash	E-TTL II with EX series Speedlites, wireless multi-flash support
SHOOTING	
Modes	Full Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, No Flash, Shutter priority AE, Aperture priority AE, Manual, A-DEP
Photo Effects	Monochrome mode (selected from the Shooting menu) with options for Filters and Toning Effects
Drive Modes	Single/Continuous
Continuous Shooting	5 fps (speed maintained for up to 23 JPEG images)[2]
RECORDING PIXELS/ COMPRESSION	
Image Size	(LF) 3504x2336, (LN) 3504x2336, (MF) 2544x1696, (MN) 2544x1696, (SF) 1728x1152, (SN) 1728x1152, (RAW) 3504x2336
Compression	Fine, Normal, RAW
FILE FORMAT	
Still Image Format	JPEG (Exif 2.21 [Exif Print] compliant)/ Design rule for Camera File system, RAW & JPEG simultaneous recording, Digital Print Order Format [DPOF] Version 1.1 compliant
RAW+JPEG Simultaneous Recording	YES
File Numbering	**1** Consecutive numbering **2** Auto reset
Processing Parameters	Standard parameters, plus up to three custom processing parameters can be set
DIRECT PRINT	
Canon Printers	Canon Compact Photo Printers, Bubble Jet Printers with the Direct Print function and Pixma Printers supporting PictBridge
PictBridge	YES
OTHER FEATURES	
Custom Functions	18 Custom Functions with 50 settings
LCD Panel (EL) Illumination	YES
Intelligent Orientation Sensor	YES
Histogram	YES
Playback Zoom	2x – 10x

OTHER FEATURES (CONT.)	
Display Formats	**1** Single image with information **2** Single image **3** 9 image index
Image Erase Protection	Erase protection of one image at a time
Image Erase	Single image, All
Self Timer	Approx. 10 sec
Menu Categories	**1** Shooting menu **2** Playback menu **3** Setup menu
Menu Languages	English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified Chinese, Japanese
Firmware Update	Update possible by the user
INTERFACE	
Computer	USB 2.0 Hi-Speed (Mini-B)
Other	Video output (PAL/NTSC)
MEMORY CARD	
Type	CompactFlash Type I/II (Microdrive compatible)[3]
SUPPORTED OPERATING SYSTEM	
PC	Windows 98 (including SE)/2000/Me/XP
Macintosh	OS 9.0 – 9.2, OS X v10.1 to v10.3
SOFTWARE	
Browsing & Printing	EOS Viewer Utility
Other	PhotoStitch
Drivers	TWAIN (Windows 98/2000), WIA (Windows Me)
Image Manipulation	Photoshop Elements v2
POWER SOURCE	
Batteries	Rechargeable Li-ion Battery BP-511/ BP-511A or BP-512/BP-514 (BP-511A battery supplied)
Battery Life	Approx. 1000 (at 20°C), Approx. 750 (at 0°C)[4]
Battery Check	Automatic
Power Saving	Power turns off after 1, 2, 4, 8, 15 or 30 mins
A/C Power Supply	Optional, Power adapter ACK-E2
ACCESSORIES	
Case	Semi-Hard case EH17-L
Lenses	All EF and EF-S lenses
Flash	Canon Speedlites (220EX, 380EX, 420EX, 550EX, 580EX, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2)
Battery Grip	BG-E2
Remote Controller/ Switch	Remote control with N3 type contact
Power Supply & Battery Chargers	AC Adapter Kit ACK-E2, Compact Power Adapter CA-PS400, Battery Charger CB-5L, Battery Charger CG-570, Car Battery Cable Kit CR-560, BP-511
PHYSICAL SPECIFICATIONS	
Body Materials	Magnesium Alloy/Plastic
Operating Environment	0 – 40°C, 85% or less humidity
Dimensions (W x H x D)	144 x 105.5 x 71.5mm
Weight (body only)	Approx. 685g

1 With 50mm lens at infinity, -1 dpt
2 Depending on memory card speed/capacity
3 Compatible with all memory card capacities, including cards of 2GB and more
4 Tested to CIPA standards with battery pack BP-511A and Canon branded CF card

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8.2 MEGA PIXELS

DiGiC II

EF

EFS

Designed for Microsoft® Windows® XP

Mac

Built for Mac OS X

PictBridge

CANON iMAGE GATEWAY

Exif Print

DPOF

you can

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